

## **AMENDMENTS TO CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

Claims 1 – 36 (Cancelled).

37. (Currently Amended) A data transmission cable adapted for use in a system for determining a connection pattern of data ports, said data transmission cable comprising:

a jack at each end of said data transmission cable, each ~~of~~said jacks adapted to mate with a corresponding socket of a data port;

an adapter jacket at each end of said data transmission cable, each ~~of~~said adapter jackets comprising an electrical contact external to said data transmission cable, ~~said~~each electrical contacts adapted to make electrical contact with a corresponding socket contact when ~~said~~the jacks ~~are~~is mated with ~~said~~the sockets, and

a conductor extending between, and electrically connected to, each ~~of~~said adapter jacket electrical contacts.

38. (Currently Amended) The data transmission cable according to claim 37, wherein ~~said~~each adapter jackets ~~are~~is separate from said data transmission cable and ~~are~~is constructed so as to be retrofit over an existing data transmission cable.

39. (Currently Amended) The data transmission cable according to claim 37, wherein ~~said~~each electrical contact comprises a contact pin slidably engaged in a barrel and a spring adapted to fit within said barrel and designed to support said contact pin and provide tension to said contact pin when said contact pin makes electrical contact with a corresponding socket contact.

40. (Previously Presented) The data transmission cable according to claim 37, wherein said conductor is a copper wire.

41. (Previously Presented) The data transmission cable according to claim 39, wherein said conductor is electrically isolated from said data transmission cable.

42. (Previously Presented) The data transmission cable according to claim 37, wherein said data transmission cable is a conventional multiconductor cable.

43. (Currently Amended) The data transmission cable according to claim 37, wherein each of ~~said jacks are~~is selected from the group of jacks consisting of RJ45 jacks, RJ11 jacks, RJ12 jacks, RJ14 jacks, RJ25 jacks, RJ48 jacks, BNC jacks, SC jacks and ST jacks.

44. (Currently Amended) An adapter jacket for use with a data transmission cable, said adapter jacket adapted to be positioned proximate an end of said data transmission cable, said adapter jacket comprising an electrical contact and a conductor electrically connected to said electrical contact.

45. (Previously Presented) The adapter jacket according to claim 44, wherein said electrical contact is positioned so as to electrically contact a corresponding socket contact when said data transmission cable is mated with a corresponding socket of a data port.

46. (Previously Presented) The adapter jacket according to claim 44, wherein said electrical contact comprises a movable contact pin slidably engaged within said adapter jacket.

47. (Previously Presented) The adapter jacket according to claim 46 further comprising a barrel and a spring adapted to fit within said barrel and designed to support said contact pin and provide tension to said contact pin when said contact pin makes electrical contact with a corresponding socket contact.

48. (Previously Presented) The adapter jacket according to claim 44, wherein said data transmission cable is a conventional multiconductor cable having a plurality of conductors therein and wherein said conductor connected to said contact is independent of said plurality of conductors within said multiconductor cable.

49. (Currently Amended) A data transmission cable adapted for use in a system for determining a connection pattern of data ports, said data transmission cable comprising:

a jack at each end of said data transmission cable, each of said jacks adapted to mate with a corresponding socket of a data port;

an adapter jacket at each end of said data transmission cable, each of said adapter jackets comprising an electrical contact external to said data transmission cable and adapted to make electrical contact with a corresponding socket contact when saidthe jacks areis mated with saidthe sockets, wherein said electrical contact comprises a contact pin slidably engaged in a barrel and a spring adapted to fit within said barrel and designed to support said contact pin and provide tension to said contact pin when said contact pin makes electrical contact with saidthe corresponding socket; and

a conductor extending between, and electrically connected to, each of said contact pins.

4950. (Currently Amended) A jack adapted to mate with a corresponding socket of a data port in a system for determining a connection pattern of data ports, said jack comprising:

a barrel internal to said jack;

a contact pin slidably engaged in said barrel and adapted to make electrical contact with a corresponding socket contact when said jack is mated with said socket; and

a spring adapted to support said contact pin and provide tension to said contact pin when said contact pin makes electrical contact with said corresponding socket.